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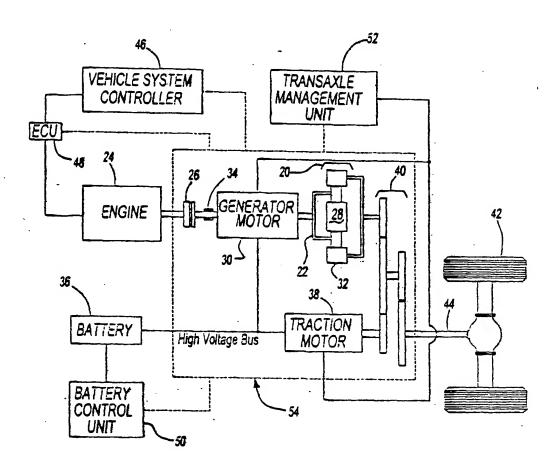
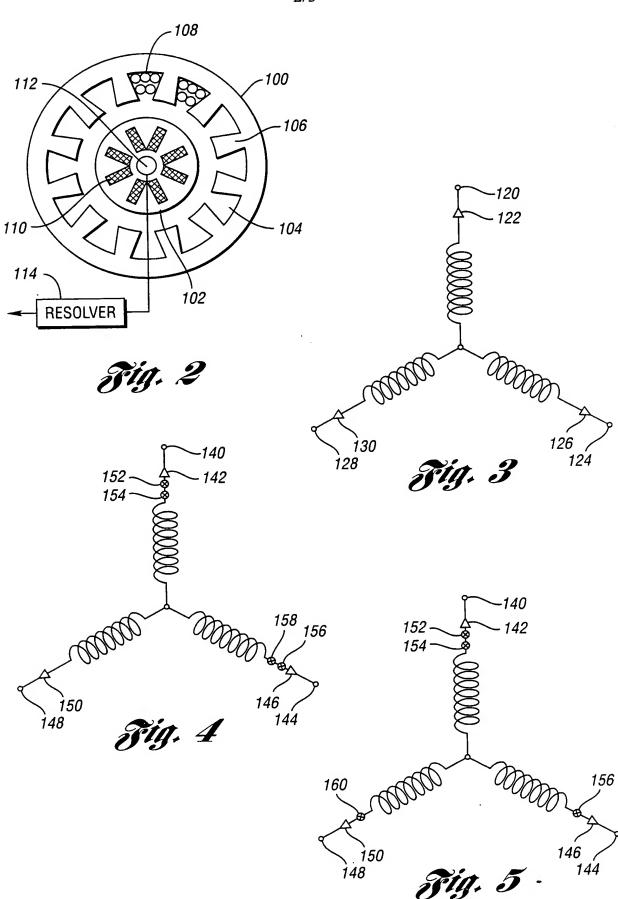


Fig-1

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3/3 RESOLVER - 194 - 184 MACHIN (% 192 PHASE LEADS SOS SIS 176 INVERTER 188 190 DC BUS VOLTAGE NDC IN DRIVE SIGNALS POSITION ESTIMATION RESOLVER TO DIGITAL CONVERTER RESOLVER EXCITATION SWITCH DRIVES CURRENT CONTROL DRIVE SIGNALS PHASE CURRENTS 172 PHASE ENABLES 180 θ_2 φ, <3 COMMUNICATION REFERENCE_CURRENT OFF_ANGLE ON_ANGLE **POSITION VELOCITY COMMANDS** CONTROL & PROTECTION **STATUS**